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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,138	01/26/2001	La Vaughn F. Watts JR.	M-9501 US	7340

7590 06/27/2003

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EXAMINER

PARK, ILWOO

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 06/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/770,138

Applicant(s)

WATTS, LA VAUGHN F.

Examiner

Ilwoo Park

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 November 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 9-16 is/are rejected.
- 7) ☒ Claim(s) 3-8 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-16 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 2, and 9-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haber et al., US patent No. 5,774,637 in view of Kamijo et al., US patent No. 6,538,880.

As to claim 1, Haber et al teach a mobile computing system comprising:

- a personal computer architecture system (PC) [host computer 18 in fig. 1];
- a portable architecture system [portable computer 16: col. 3, lines 5-9];
- a switch [switch 15];
- a first bus [parallel bus] connecting the PC to the switch and the portable architecture system to the switch, whereby the switch isolates control [col. 9, lines 10-21] of the mobile computing system to either the PC or the portable architecture system; and
- a communication device [printer 20] connecting the PC and the portable architecture system wherein the portable architecture system or the PC readily is able to interface to the communication device.

Though the portable architecture system can be any computer, portable [col. 3, lines 6-9], Haber et al do not explicitly disclose the portable architecture system includes a personal digital assistant (PDA).

Kamijo et al teach a dual computing system having a communication device controlled by either one of the two architecture systems including a PC and a PDA [col. 4, lines 10-13].

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Haber et al and Kamijo et al because they both teach a dual computing system and the Kamijo et al's teaching of a dual computing system including a PC and a PDA would increase flexibility/portability of the Haber et al's dual computing system including a PC and a portable architecture system.

4. As to claim 2, Kamijo et al teach a set of peripheral input output devices selectively controllable by either the PC or the PDA system [col. 2, line 58-col. 3, line 40].

5. As to claims 9 and 11, Haber et al and Kamijo et al do not disclose the PDA is integrated into a mini PCI card. However, a mini PCI bus adapting is well known in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the PDA integrated into a mini PCI card in order to reduce a size of the PDA.

6. As to claim 10, Kamijo et al teach the PDA is integrated into a PC system board [fig. 1].

7. As to claim 12, Kamijo et al teach the PDA and the communication device are integrated into a PC system board [fig. 1].

8. As to claim 13, Haber et al teach a method of providing communication access in a dual PC and portable computing system comprising of:

connecting a PC system [host computer 18 in fig. 1] to a communication device [printer 20];

connecting a portable system [portable computer 16: col. 3, lines 5-9] to the communication device;

isolating [col. 9, lines 10-14] control of the communication device to the portable system when the PC is inactive; and

isolating [col. 9, lines 15-21] control of the communication device to the PC when the portable system is inactive.

And Kamijo et al teach a dual PC and PDA computing system.

9. As to claim 14, Kamijo et al teach providing information from the PDA to the PC when the PC is active [col. 5, lines 17-25].

10. As to claim 15, Kamijo et al teach the communication device is a wireless communication technology [col. 5, lines 10-30].

11. As to claim 16, Kamijo et al teach connecting the PC system and the PDA system to a common set of peripheral input output devices and providing control of the peripheral input output devices to the PC system when the PC system is in control and the PDA system when the PDA is in control [col. 2, line 58-col. 3, line 40].

Allowable Subject Matter

12. Claims 3-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ilwoo Park whose telephone number is (703) 308-7811. The examiner can normally be reached on Monday through Friday from 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A Gaffin can be reached on (703) 308-3301. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

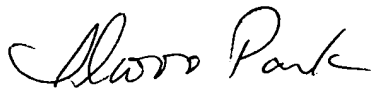
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal
Drive, Arlington. VA, 4th Floor (Receptionist)

A handwritten signature in cursive script that reads "Ilwoo Park".

Ilwoo Park

June 25, 2003